

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/047067 A1

(51) International Patent Classification⁷: **B60R 21/01**,
B60N 2/00, G01G 19/414

(21) International Application Number:
PCT/EP2004/052950

(22) International Filing Date:
12 November 2004 (12.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03104207.0 14 November 2003 (14.11.2003) EP

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

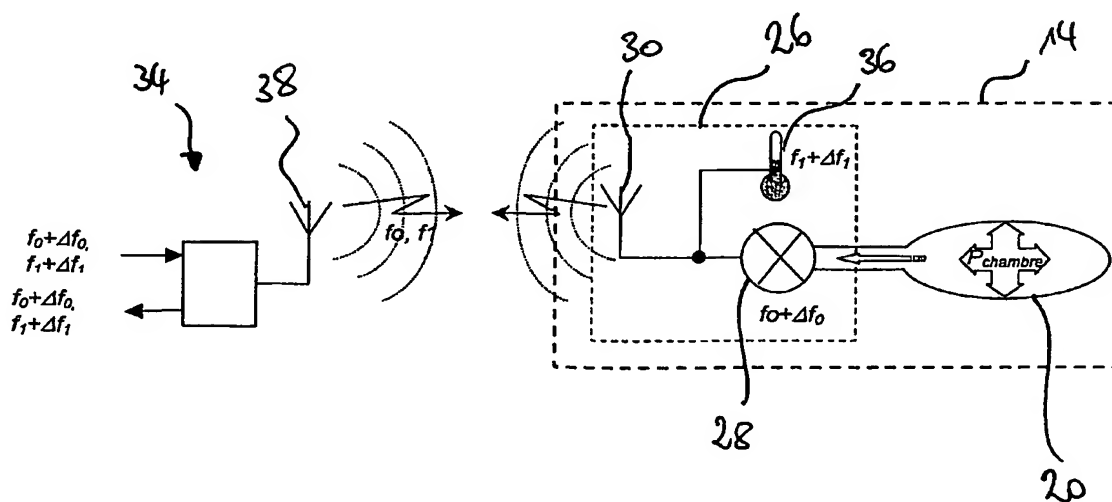
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SEAT OCCUPANCY DETECTOR



(57) Abstract: A seat occupancy sensor comprises a pressure detection device (14) associated with a surface (10) of said seat (12) and a control unit (34) for communicating with the pressure detection device. According to the invention said pressure detection device comprises a surface acoustic wave device (26) including at least one surface acoustic wave resonator (28) and an antenna (30) and said control unit (34) comprises an RF antenna (38) for remotely communicating with said surface acoustic wave device. (26). In a first embodiment, the surface acoustic wave device (26) is adapted for detecting the pressure inside a sealed chamber (20). In a second embodiment, a pressure sensitive switching device (120) is connected to the surface acoustic wave device (26) so as to activate the surface acoustic wave device (26) when the pressure sensitive switching device (120) is triggered.